

## Contents Volume 79

### VOL. 79 NO. 1

Membrane characterization using the contact angle technique. I. Methodology of the captive bubble technique by W. Zhang and B. Hallström (Lund) .....	1
Numerical Predictions of evaporative behaviors of horizontal stream inside a multi-stage-flash distillator by K. Seul and S. Lee (Seoul).....	13
Hyperfiltration properties of Zirconium (IV) hydrous oxide-polyacrylate membrane in electrolyte-alcohol-water solutions by S. Yarlagadda and H. Spencer (Clemson, SC).....	37
Crystallization of calcium sulfate on reverse osmosis membranes by E. Fountoukidis, Z. Maroulis and D. Marinos-Kouris (Athens).....	47
Simulation of the performance of MES evaporators under unsteady state operating conditions by A. El-Nashar and A. Qamhiyeh (Abu Dhabi).....	65
Evaluation of thermal desalination and reverse osmosis for the production of boiler feed water from sea water for coastal thermal power stations in India by P. Tewari, S. Prabhakar and M. Ramani (Bombay).....	85
Abstracts from <i>Technology of Water Treatment</i> (China).....	95

### VOL. 79 NOS. 2-3

Ultrafiltration of bleach effluents in cellulose production by M.D. Afonso and M.N. De Pinho (Lisbon) .....	115
Anion-exchange membranes with improved alkaline stability by B. Bauer, H. Strathmann and F. Effenberger (Stuttgart).....	125
Ultrafiltration of demineralized water containing colloidal silica by K. Konieczny and M. Bodzek (Gliwice).....	145

New composite tubular membranes for ultrafiltration by W. Doyen, R. Leysen (Mol), J. Mottar and G. Waes (Melle).....	163
The effect of pulsed flow on ultrafiltration fluxes in a baffled tubular membrane system by S.M. Finnigan and J.A. Howell (Bath).....	181
A comparative study of fouling-index and fouling-potential of waters to be treated by reverse osmosis by P. Lipp, B. Gorge (Karlsruhe) and R. Gimbel (Duisburg).....	203
Concentration polarisation and adsorption effects in cross-flow ultrafiltration of proteins by R.M. McDonogh, H. Bauser, N. Stroh and H. Chmiel (Stuttgart).....	217
Desalination and recovery of catalysts by electrodialysis by S. Sridhar (Marl) .....	233
Development of an anion-exchange membrane with increased permeability for organic acids of high molecular weight by W. Gudernatsch (Horb a.N.), Ch. Krumbholz and H. Strathmann (Stuttgart).....	249
The effect of agitation on reverse osmosis desalination by J. Lora and J.M. Arnal (Valencia).....	261
Characterization of surface change properties of synthetic microfiltration membranes by means of a streaming current method by H. Zhang and U. Werner (Dortmund).....	271
Analysis of the structure-determining process of phase inversion membranes by K. Kimmerle (Horb a.N.) and H. Strathmann (Stuttgart) .....	283
The stability of supported liquid membranes by A.M. Neplenbroek, D. Bargeman and C.A. Smolders (Enschede) .....	303
Forthcoming events.....	313
Author index .....	319
Contents of volume 79 .....	321

## ARAB WATER WORLD INTERNATIONAL

### Suppliers and Services Directory

The cost-effective way to reach 10577 leading  
import-minded firms serving  
the water and sewage industries  
in the Middle East and Africa

**CHATILA PUBLISHING HOUSE**  
POB 5122  
Limassol - Cyprus  
Tel. 357 2 476353/4  
Fax. 357 2 456252  
Telex. 4990 FLY CY

POB 13-5121 Chouran  
Beirut - Lebanon  
Tel. 961 1 802950  
Telex. 23008 MIYAH LE